



CRL BRISTOL SERIES BR178 SLIDING DOOR KIT



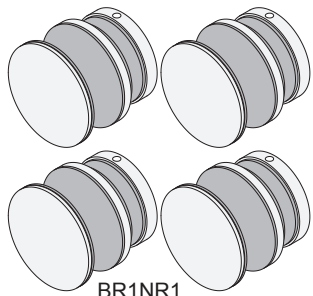
NOTE: Glass and U-Channel not included.

ORDER OF ASSEMBLY AND INSTALLATION

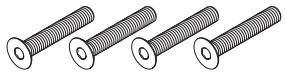
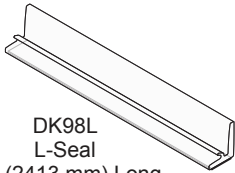
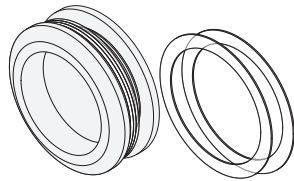
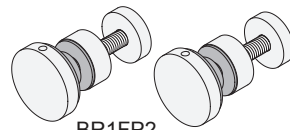
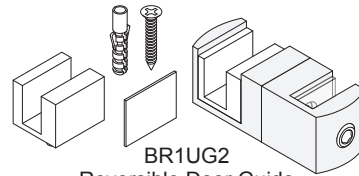
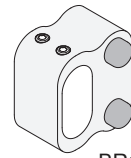
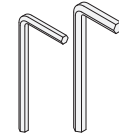
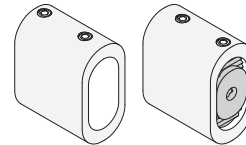
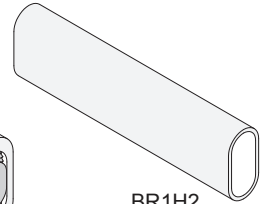
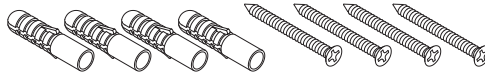
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IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION.

PARTS LIST

BR1NR1
Roller

Total Four Included in Kit

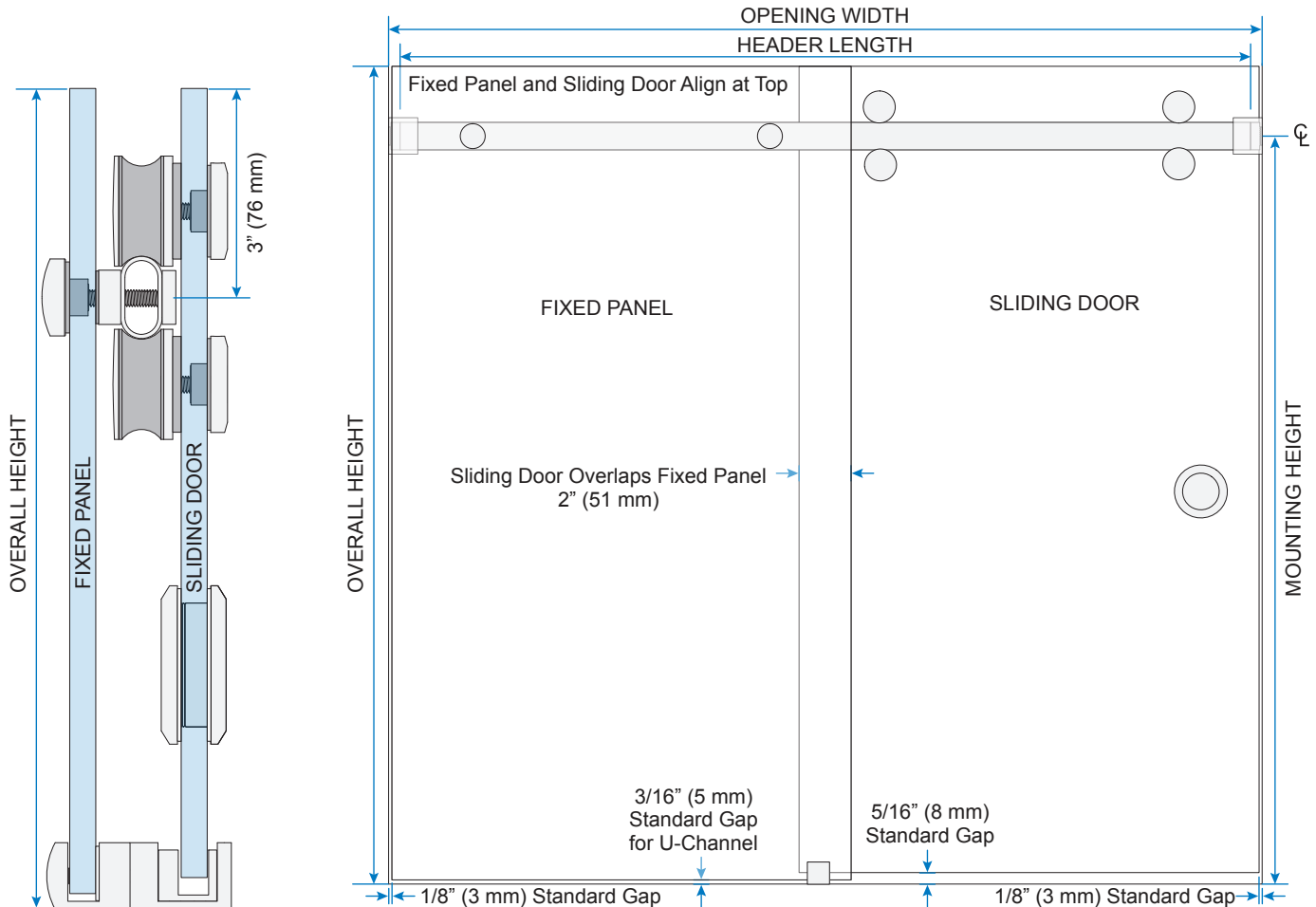
Screws for 3/8" (10 mm) Glass
Use with RollersDK98L
L-Seal
95" (2413 mm) LongSERNHP2
Thru-Glass Pull with GasketsBR1FP2
Fixed Panel Fitting
Set of Two per PackageBR1UG2
Reversible Door Guide
5/16" or 3/8" (8 or 10 mm) Inserts and
Mounting Screw and Anchor IncludedBR1NDS1
Stopper3 and 4 mm
Allen WrenchesBR1AHW2
Adjustable Height Track Holder Fitting
Set of Two per PackageBR1H2
Header Support Bar
78 - 3/4" (2 m) Long

Four Mounting Screws and Anchors

NOTE: Track Holder Mounting Fittings, Longer Screws for Rollers and Tools Packed with Fixed Panel Fittings

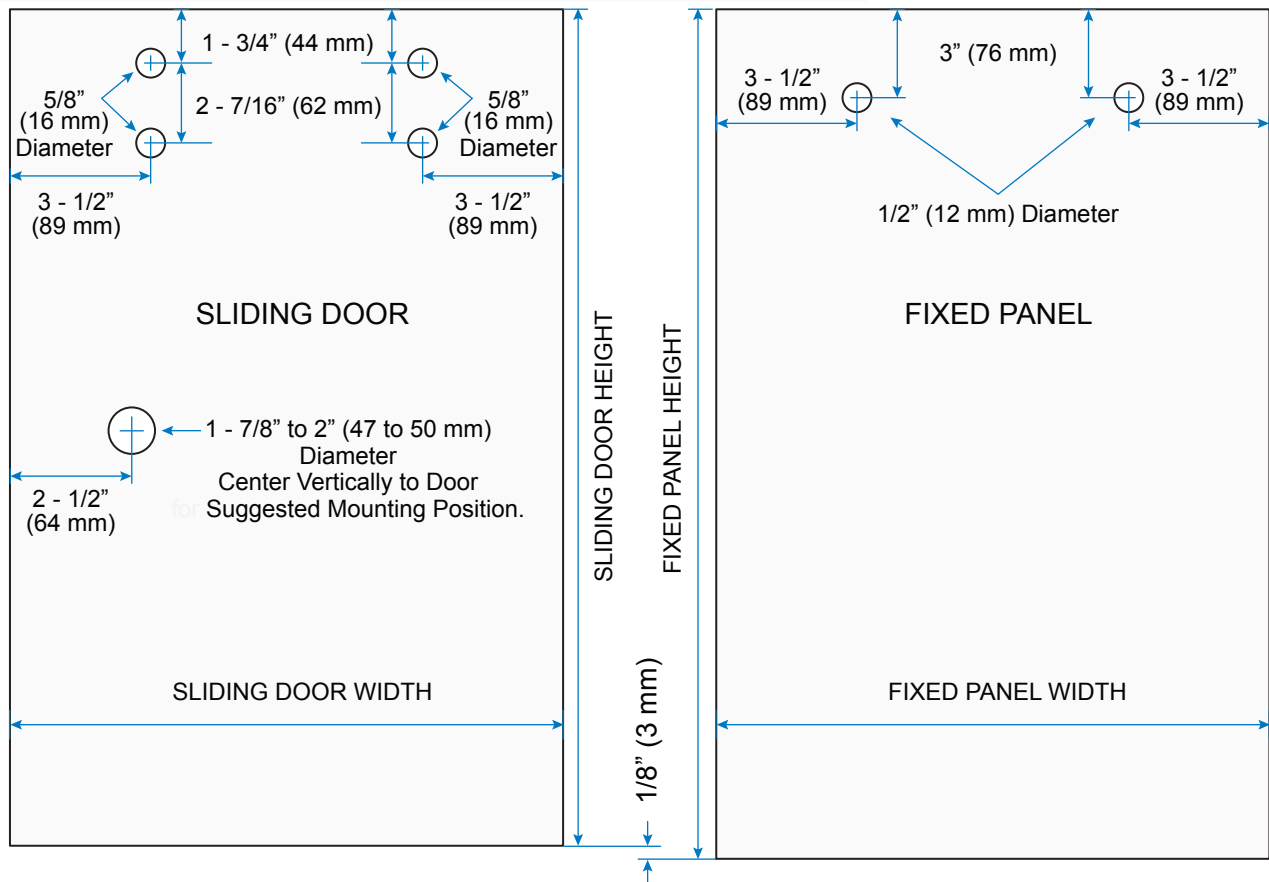
SPECIFICATIONS

Drawing not to scale. Shown from exterior.



GLASS FABRICATION

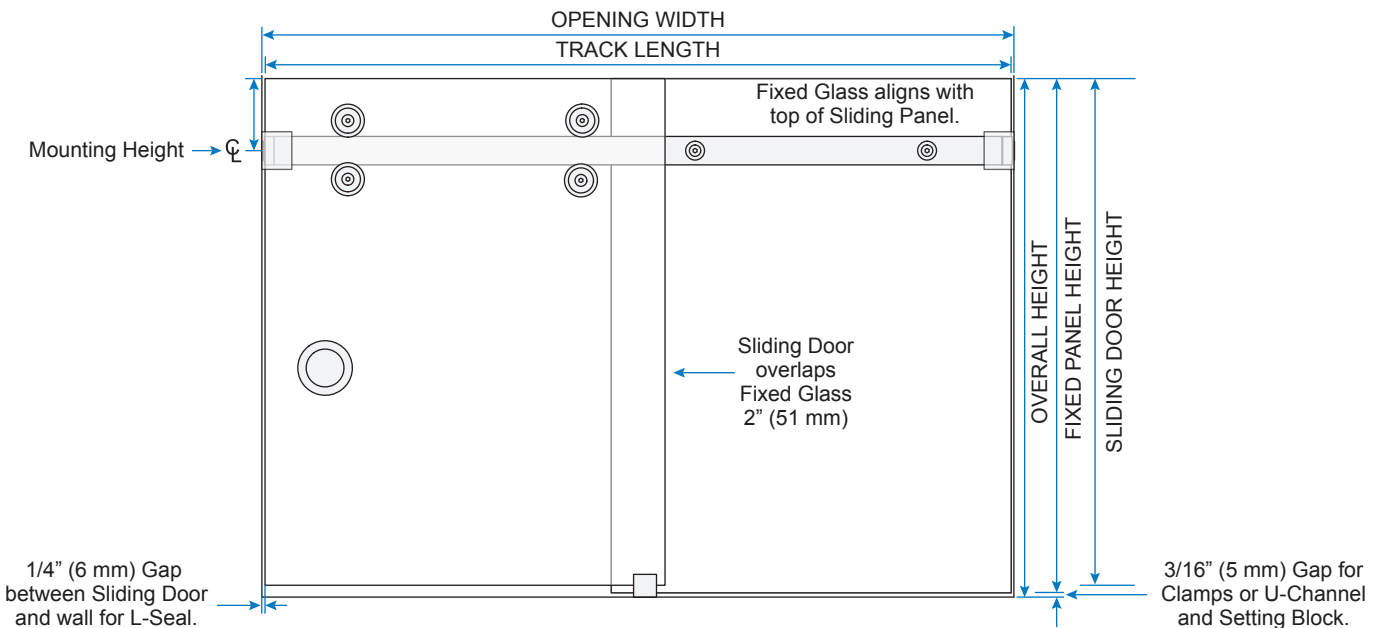
NOTE: For use with 5/16" to 3/8" (8 - 10 mm) Tempered Glass only. Do Not use Laminated Glass.



SLIDING DOOR AND FIXED PANEL WIDTH : Overall Width Divided by 2, plus 7/8" (22 mm)

FIXED PANEL HEIGHT : Overall Height minus 3/16" (5 mm)

SLIDING DOOR HEIGHT : Overall Height minus 5/16" (8 mm)



NOTE: Drawings not shown to scale. Track is cut 1" (25 mm) less than Opening Width and centered in opening. Overall Height is height from curb/floor to top of glass. Drawings shown from interior with Bottom Door Guide cupping Fixed panel. See Page 8 for Guide mounting options.

SLIDING DOOR PREPARATION

Unpack Rollers

① Unpack and disassemble two sets of Rollers.

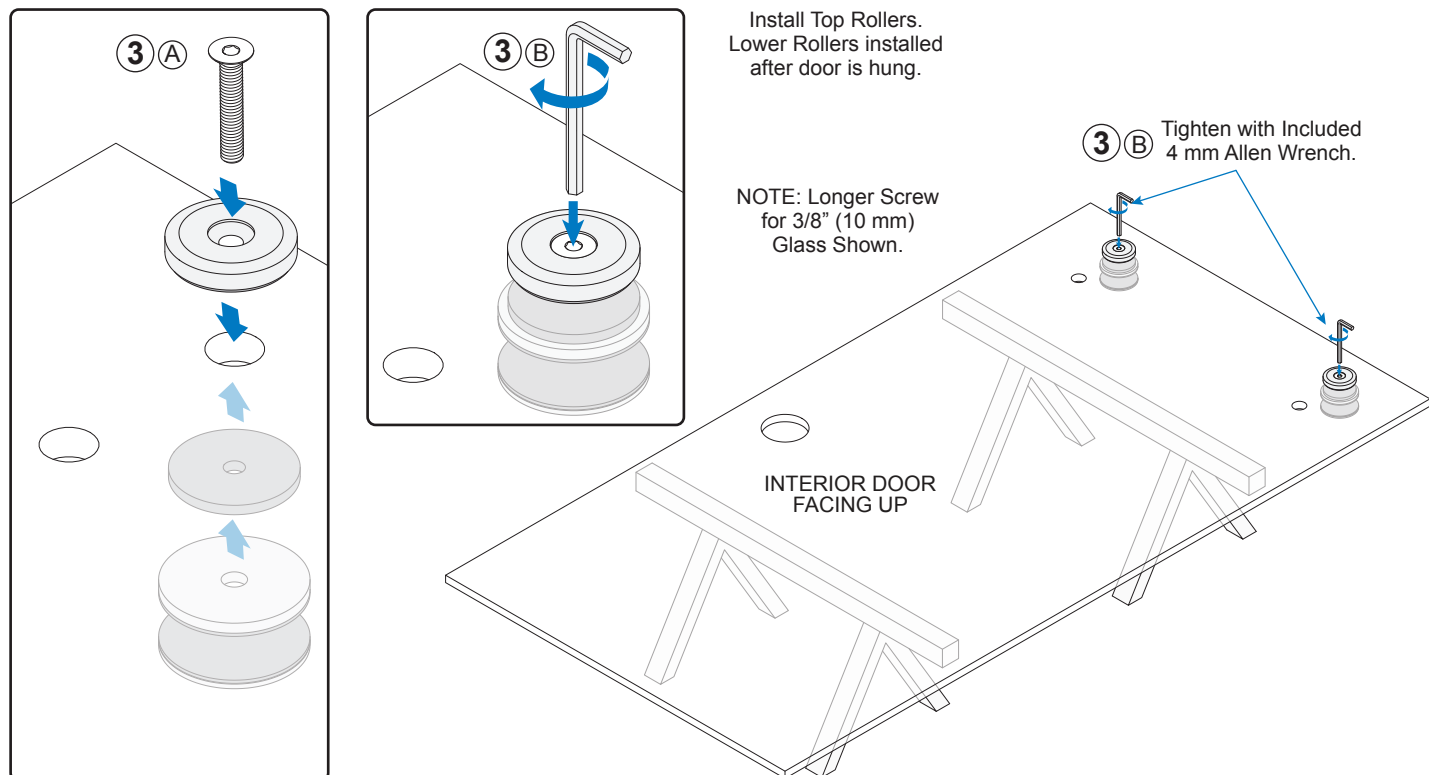
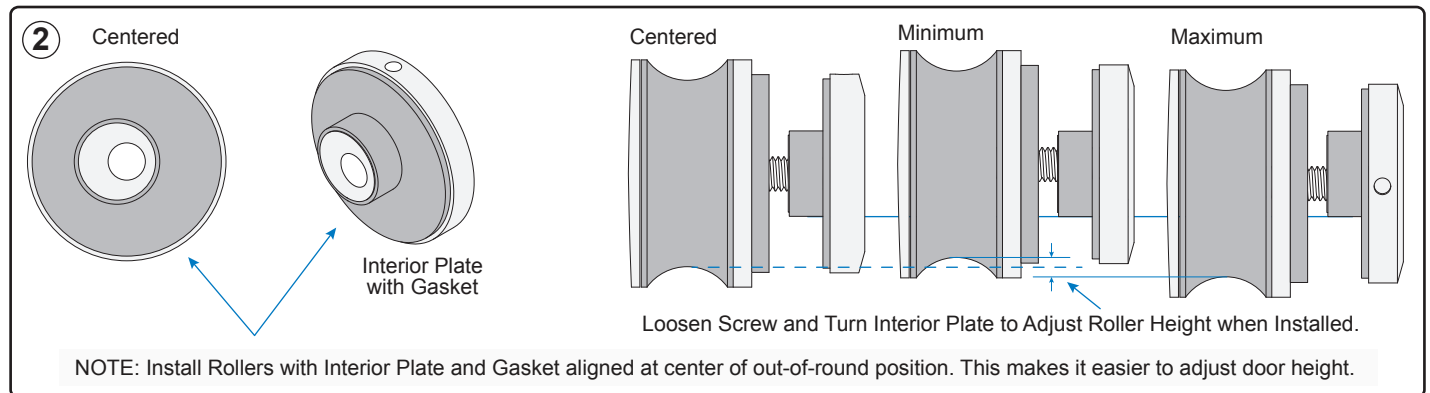
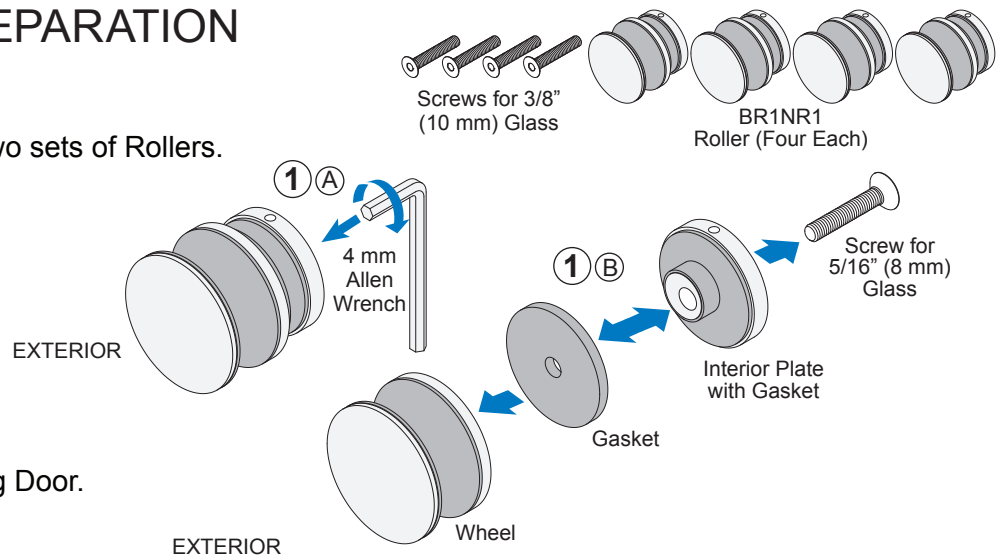
NOTE: Rollers shipped assembled with screws for 5/16" (8 mm) Glass. Screws for 3/8" (10 mm) Glass and Allen Wrench packaged with Fixed Panel Fittings.

② Adjust wheel height.

Install Top Rollers

③ Install Top Rollers on Sliding Door.

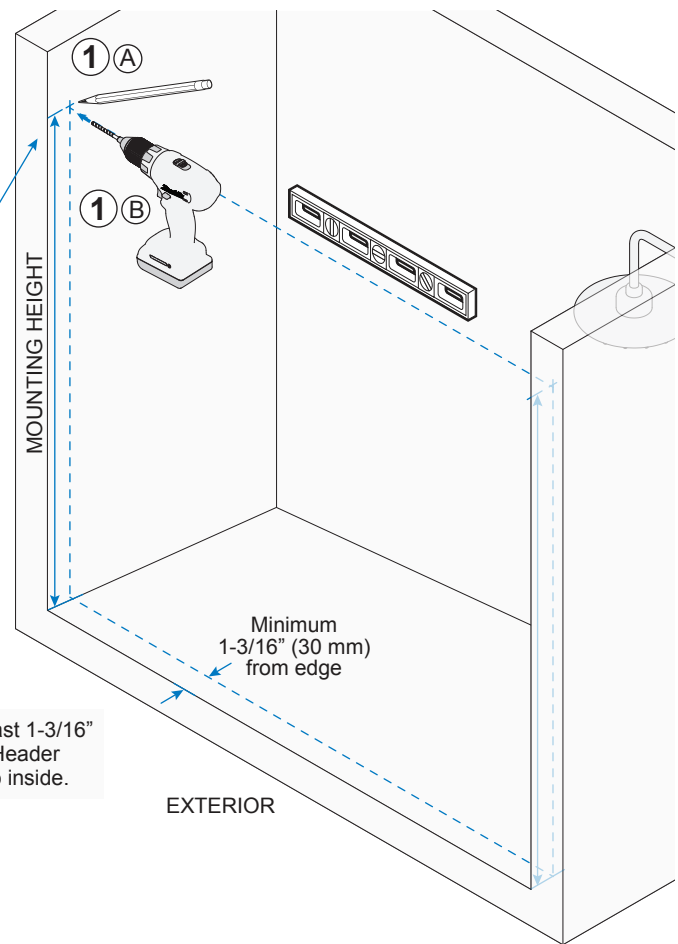
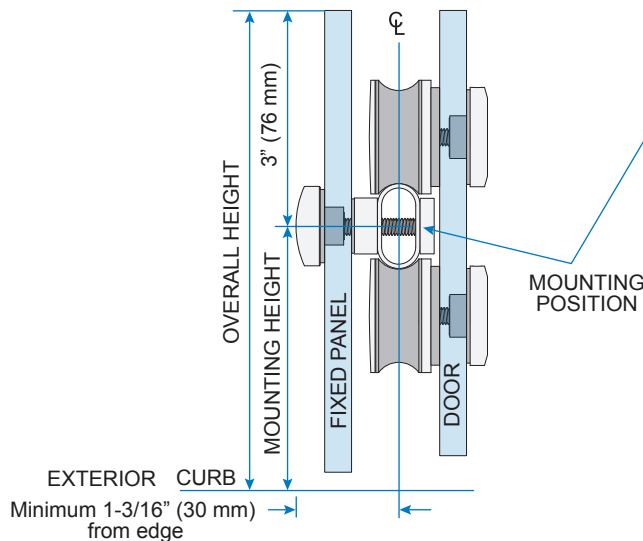
NOTE: Lower Rollers are installed after door is hung. See Page 10.



SITE PREPARATION

Mark Location for Header Support Bar

- ① Mark and drill holes for Header Support Bar.



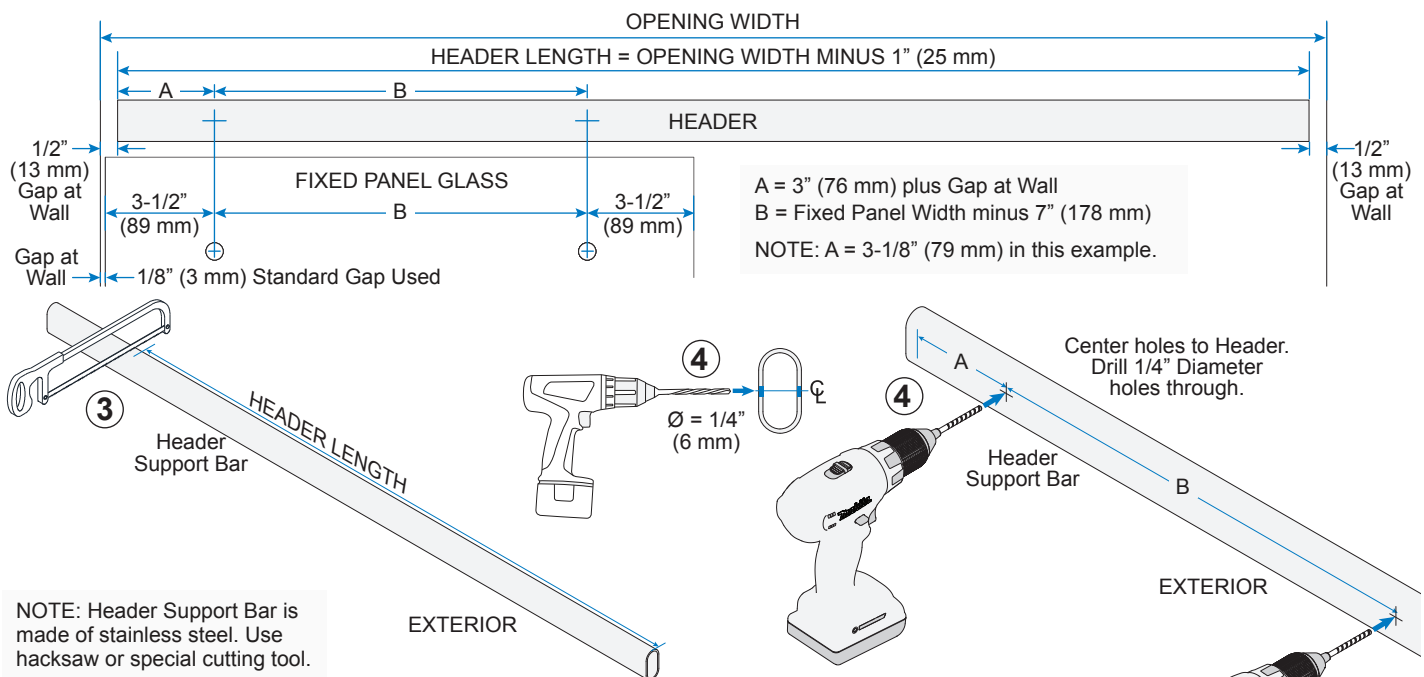
NOTE: Header Support Bar is generally centered to vertical jamb. Allow at least 1-3/16" (30 mm) from edge to install Bottom Guide. Fixed Panel mounted to outside Header Support Bar shown in this manual. Mirror instructions to mount Fixed Panel to inside.

FRAME FABRICATION

Prepare Header Support Bar

- ② Measure opening width at mounting points.
- ③ Cut BR1H2 Header Support Bar.
- ④ Drill holes for Fixed Panel Fittings.

NOTE: Header Support Bar is cut 1" (25 mm) short from tight dimension and centered in opening, leaving 1/2" (13 mm) gap on each end to mount. Refer to Fixed Panel Glass fabrication and gap allowance between Fixed Panel and wall to determine mounting hole placement.



FRAME INSTALLATION

Mount Track Holder Fittings

- 1 Unpack Track Holder Fittings. Loosen Set Screws and remove Mounting Blocks.

NOTE: Screws, Anchors and 3 mm Allen Wrench packaged with Fixed Panel Fittings.

- 2 Fasten Mounting Blocks to wall.

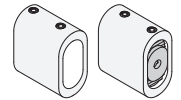
Install Header

- 3 Unpack and loosen Set Screws on top and bottom of Stopper.
- 4 Slide Stopper and Track Holder Fittings onto Header.

NOTE: Orient Stopper with Rubber Bumpers facing Sliding Door and Track Holder Fittings with closer Set Screw next to ends of Header.

- 5 Align Header with Mounting Block. Slide Track Holder Fittings to wall and tighten Set Screws to secure.

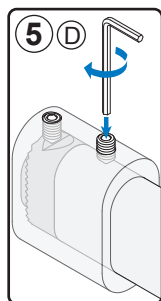
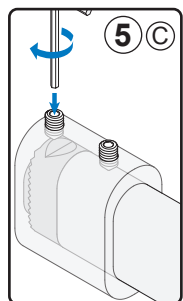
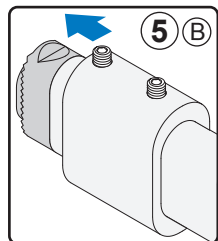
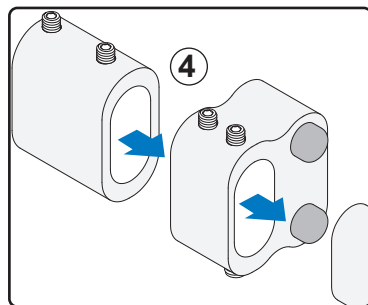
NOTE: Track Holder Fittings shown orientated for installation. Set Screw at end holds Base to Mounting Blocks while second Set Screw secures Base to Header when installed.



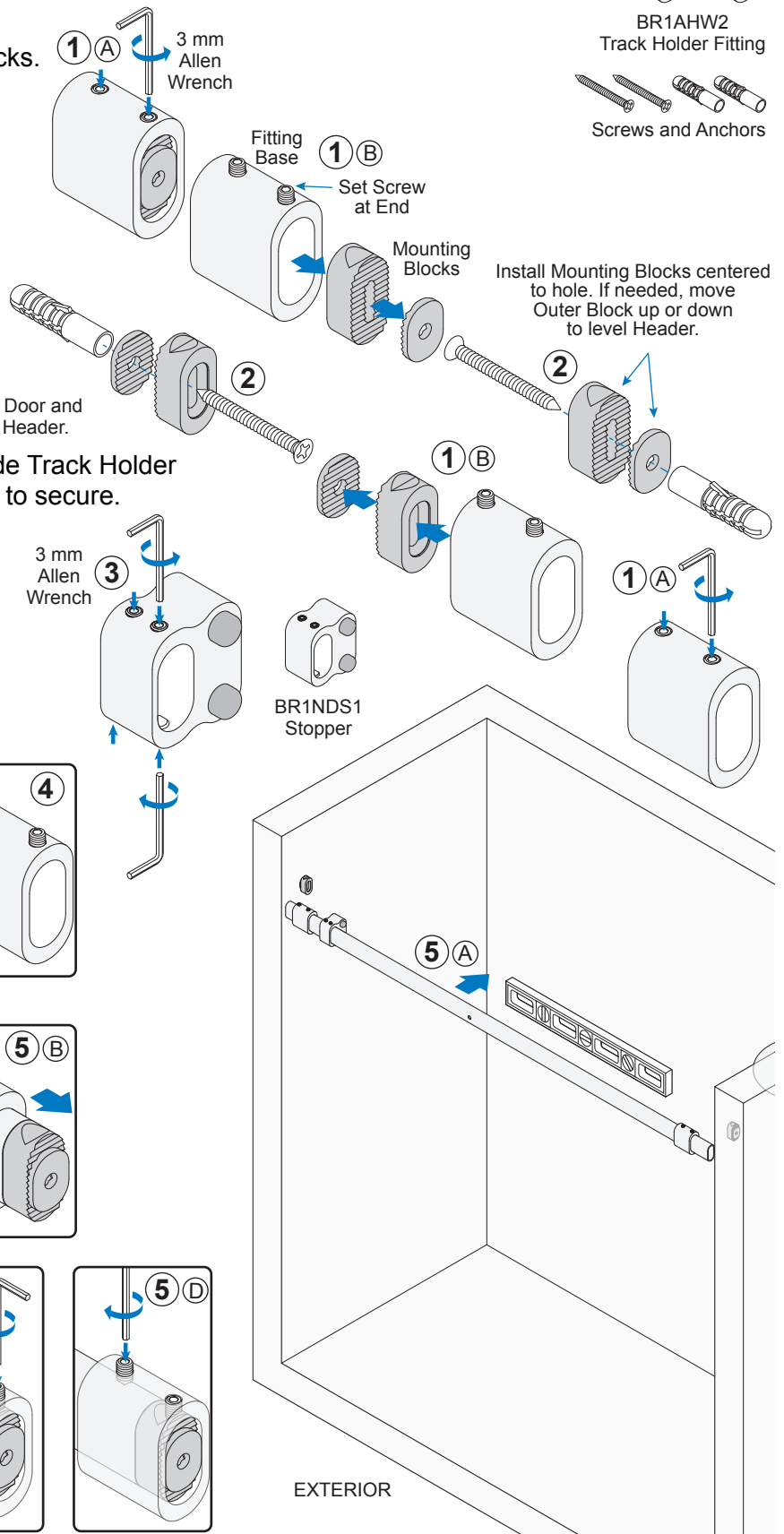
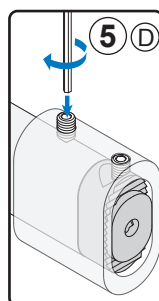
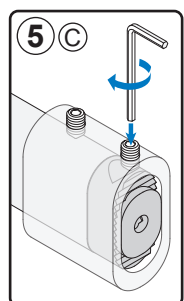
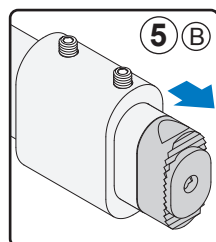
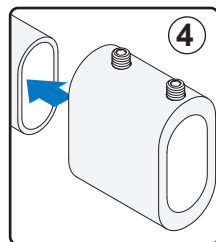
BR1AHW2
Track Holder Fitting



Screws and Anchors



NOTE: Ensure Header is level. If not, loosen screws holding Mounting Blocks to adjust height.



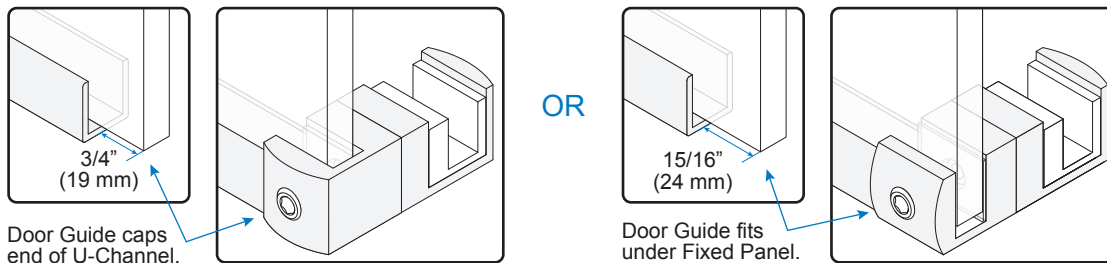
EXTERIOR

FRAME INSTALLATION (CONTINUED)

Bottom Guide Mounting Options and U-Channel Preparation (Optional)

NOTE: Fixed Panel may be fastened to curb with clamps. Use dimensions shown below to calculate length of U-Channel for each mounting option.

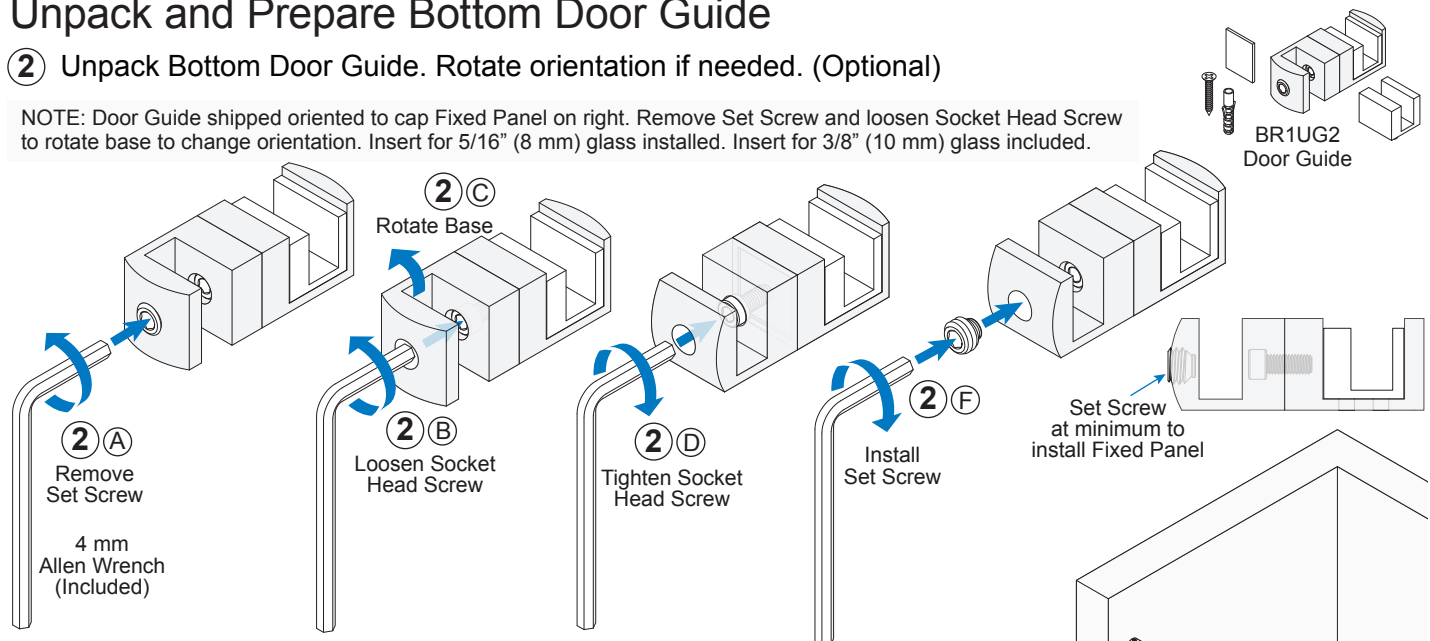
① Determine Bottom Door Guide mounting option.



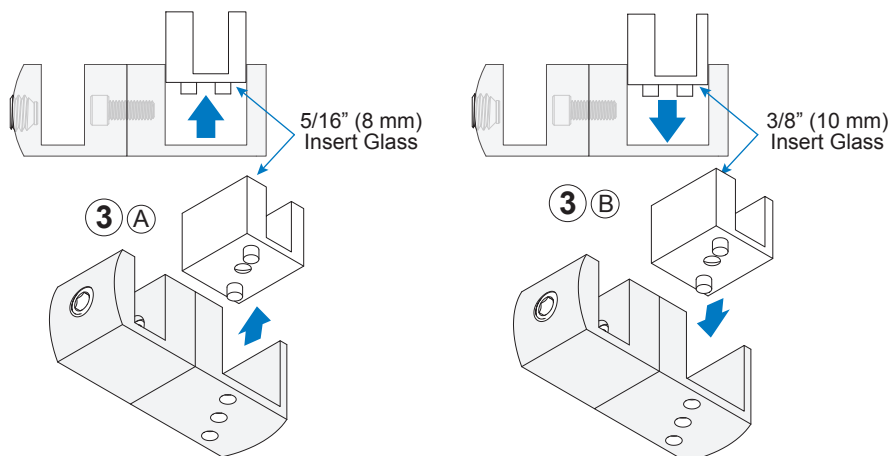
Unpack and Prepare Bottom Door Guide

② Unpack Bottom Door Guide. Rotate orientation if needed. (Optional)

NOTE: Door Guide shipped oriented to cap Fixed Panel on right. Remove Set Screw and loosen Socket Head Screw to rotate base to change orientation. Insert for 5/16" (8 mm) glass installed. Insert for 3/8" (10 mm) glass included.



③ Change Glass Insert. (Optional)



Install Fixed Panel Curb Mounts

④ Mount Clamps or U-Channel on curb.

NOTE: Door Guide installed after Sliding Door is hung. Door Guide with 3/8" (10 mm) Glass Insert positioned under Fixed Panel shown in example installation in this manual.

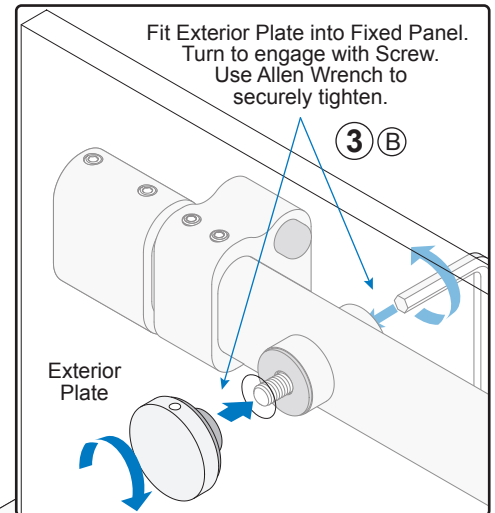
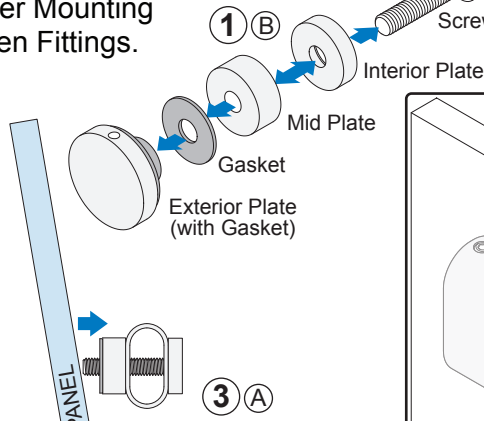
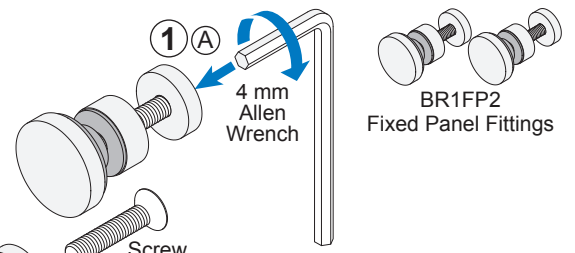
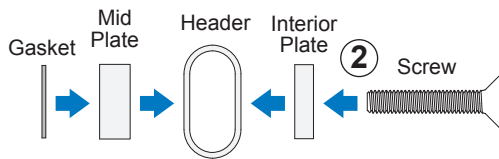
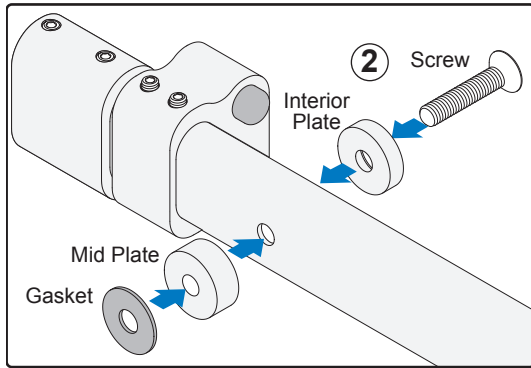
EXTERIOR

NOTE: U-Channel not included. Shown as example only.

FRAME INSTALLATION (CONTINUED)

Install Fixed Panel

- ① Unpack and disassemble Fixed Panel Fittings.
- ② Fit Interior and Mid Plates in Header Mounting Holes.
- ③ Align holes in Fixed Panel with Header Mounting Holes. Install Exterior Plate and tighten Fittings.

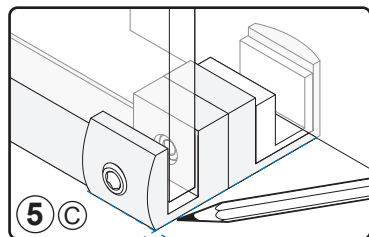


Place Bottom Door Guide

- ④ Hang Sliding Door and carefully slide back and forth to check height.

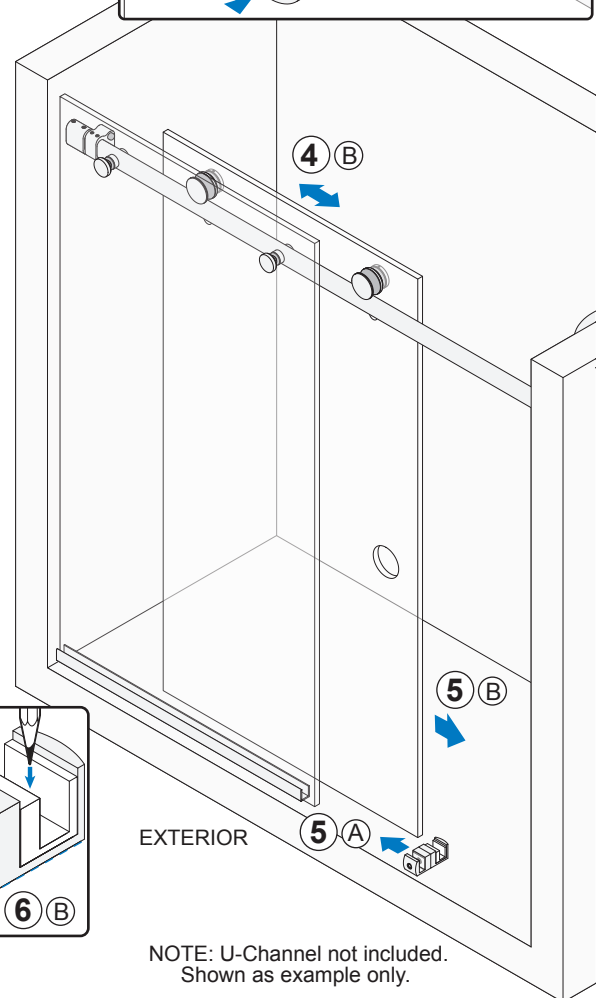
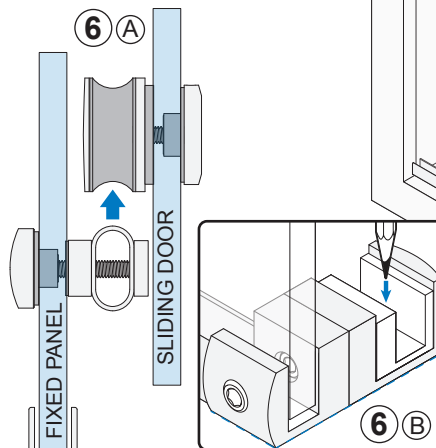
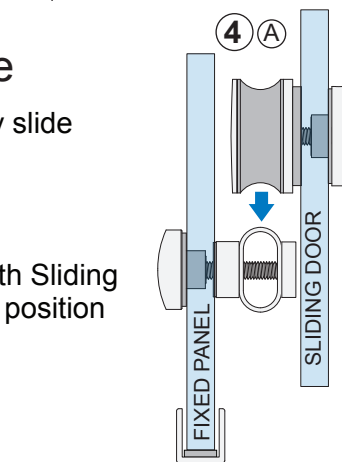
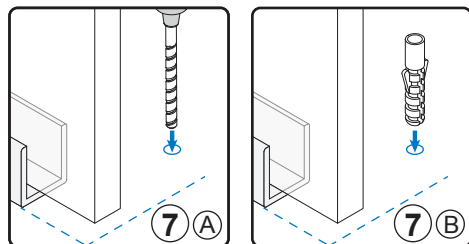
NOTE: See Page 5 to Prepare Door before hanging and to adjust Roller height if needed.

- ⑤ Place Door Guide to engage with Sliding Door. Close Door, adjust Guide position and outline.



- ⑥ Remove Door to mark hole.

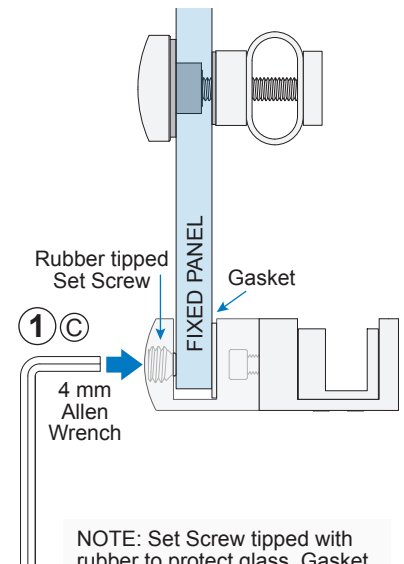
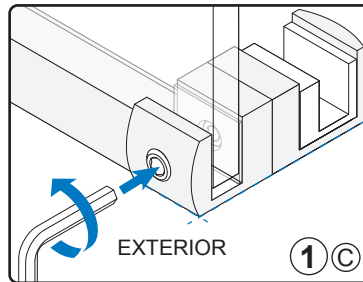
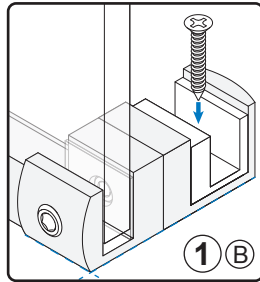
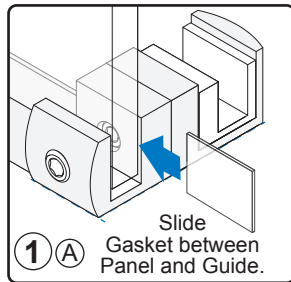
- ⑦ Remove Guide. Drill hole and insert anchor.



FRAME INSTALLATION (CONTINUED)

Install Bottom Door Guide

- ① Fasten Bottom Door Guide and tighten Set Screw to Fixed Panel.



NOTE: Set Screw tipped with rubber to protect glass. Gasket provided for other side of Panel.

SLIDING DOOR INSTALLATION

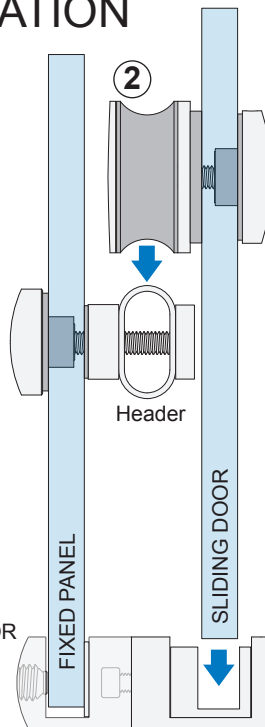
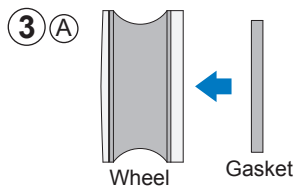
Hang Sliding Door

- ② Hang Sliding Door placing Glass inside Bottom Guide.

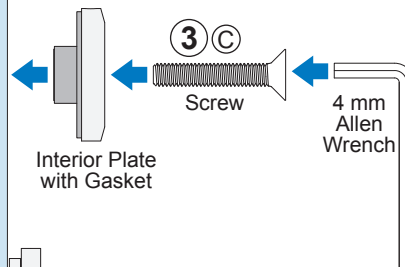
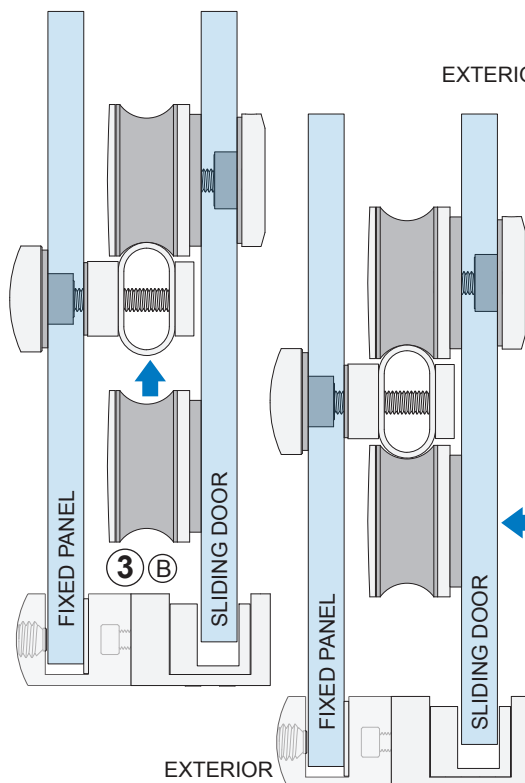
Install Bottom Rollers

- ③ Prepare and install Bottom Rollers.

NOTE: See Page 5 before installing Rollers.



NOTE: Align at center of out-of-round position. See Page 5.



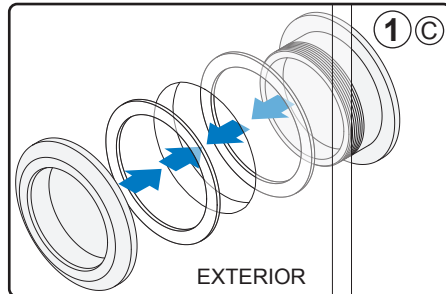
NOTE: Screw for 3/8" (10 mm) Glass shown. Shorter screw used for 5/16" (8 mm) Glass.

FINISHING

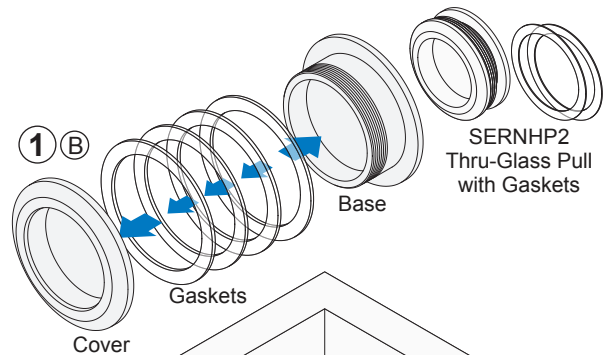
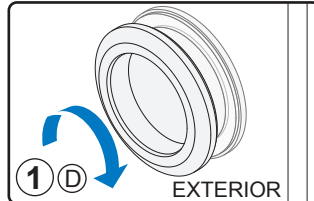
Unpack and Install Thru-Glass Pull

- ① Unscrew Thru-Glass Pull. Separate Cover from Base, select combination of gaskets, and reassemble on Sliding Glass Door.

NOTE: Three pairs of Gaskets in various widths included. Select one gasket or combine several to obtain desired thickness. Place on each side of glass so Pull is snug.

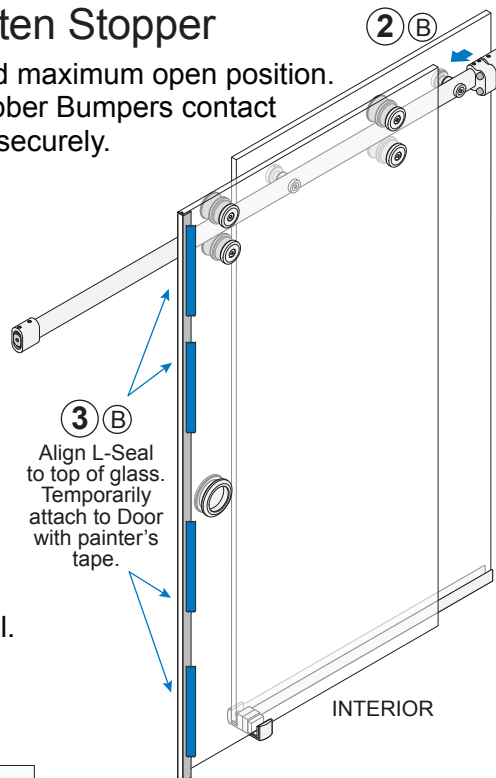
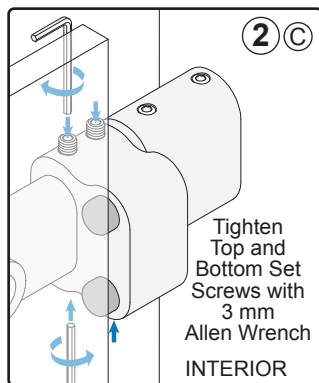


Hold Base while turning Cover counter-clockwise to loosen and clockwise to tighten.



Position and Tighten Stopper

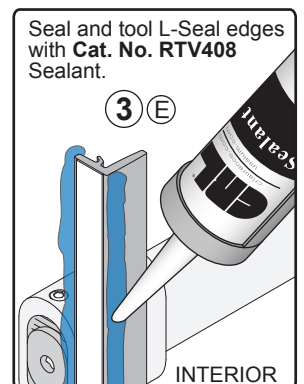
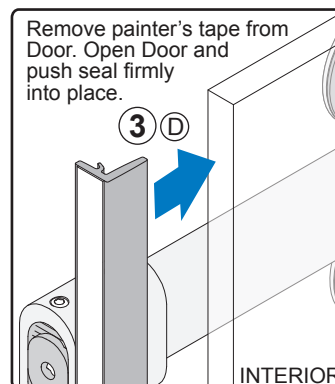
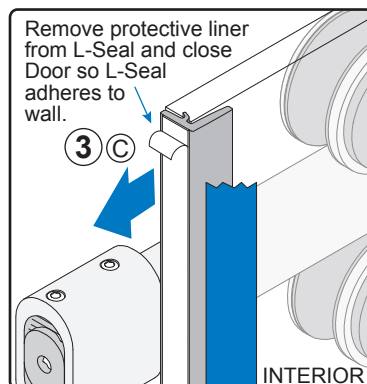
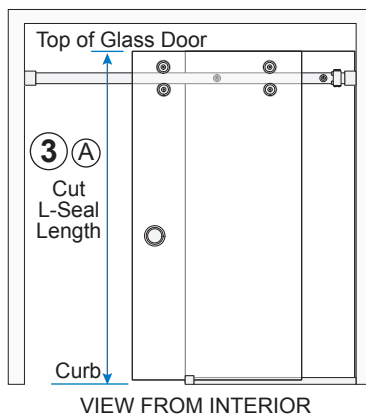
- ② Move Door to desired maximum open position. Slide Stopper so Rubber Bumpers contact Door Panel. Tighten securely.



Install L-Seal

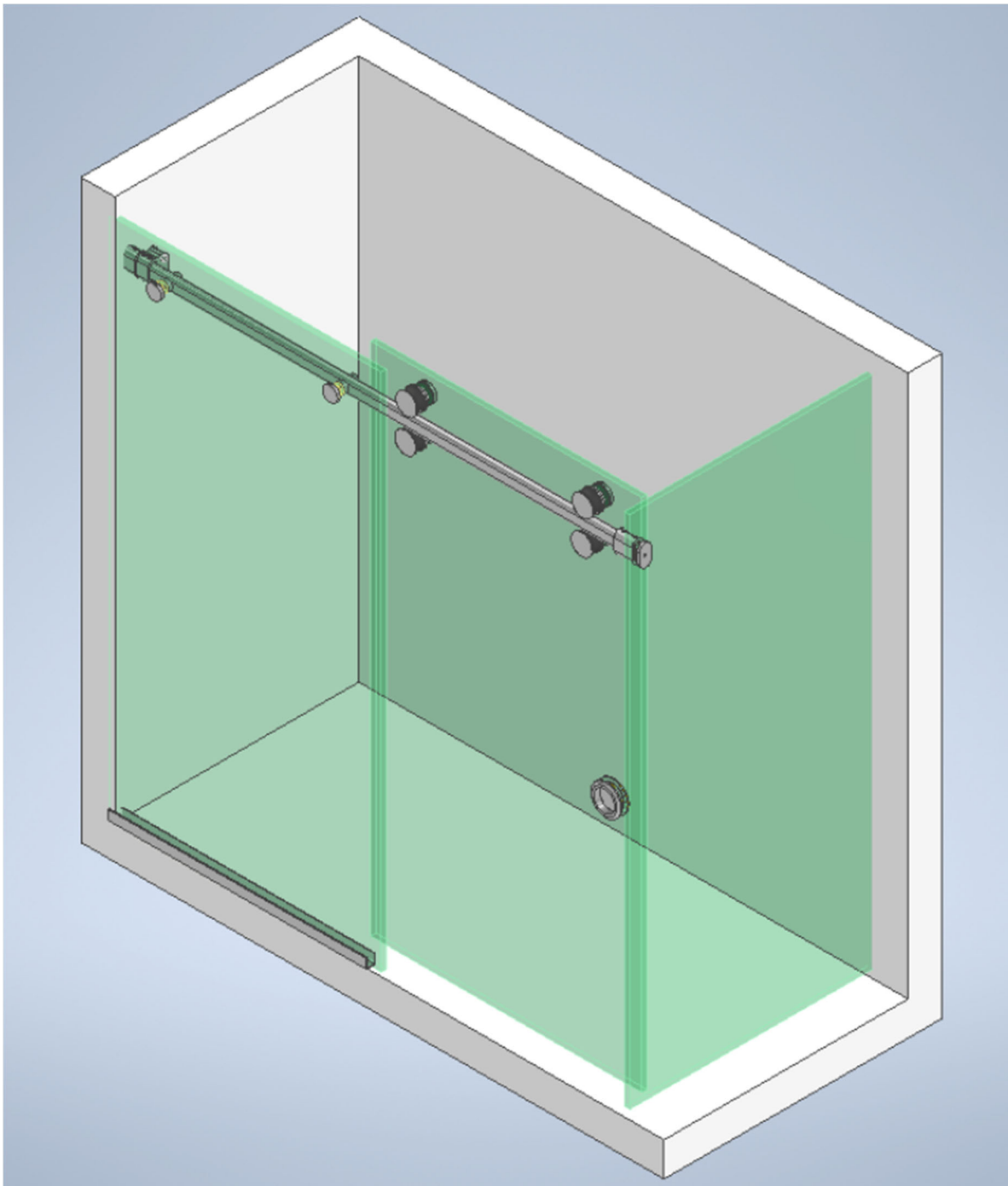
- ③ Cut and install L-Seal.

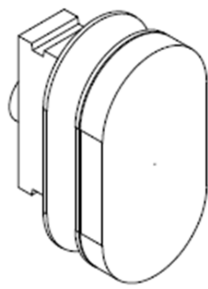
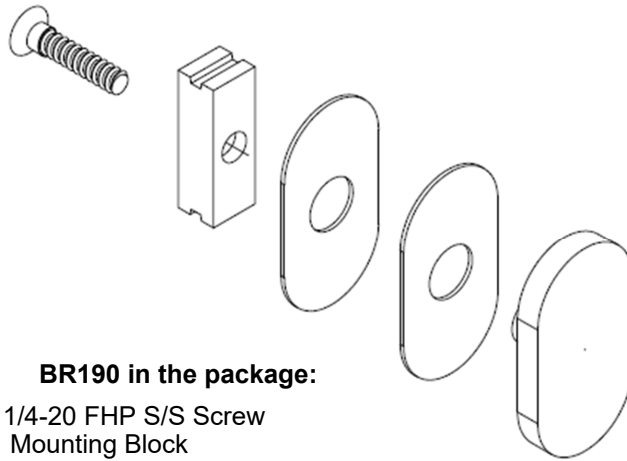
NOTE: Temporarily attach L-Seal to Sliding Door and use as guide for final position.



INSTALLATION INSTRUCTION

CRL BRISTOL SERIES BR190 - 90 DEGREE CONNECTOR

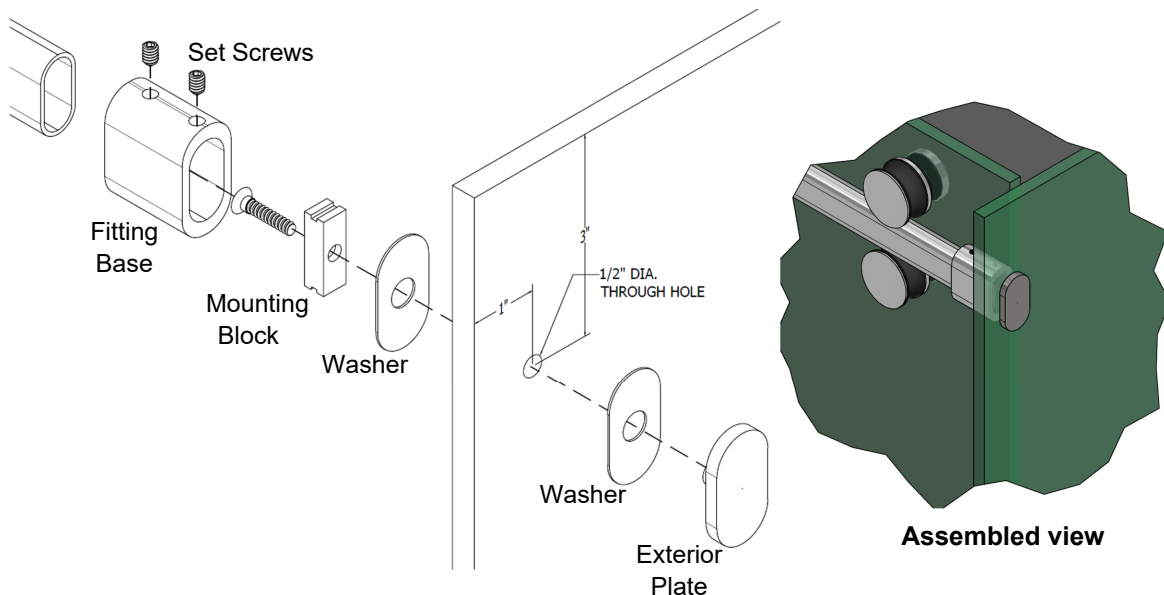


BR190 - 90 DEGREE CONNECTOR**BR190 assembly****BR190 in the package:**

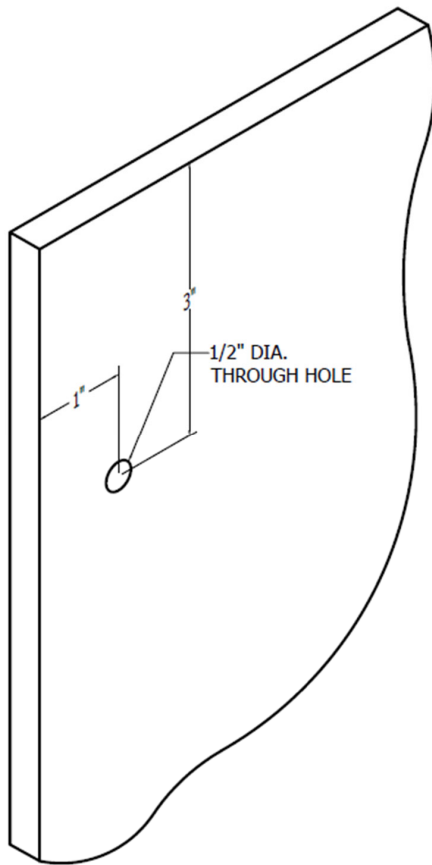
- (1) 1/4-20 FHP S/S Screw
- (1) Mounting Block
- (2) Clear Molded Washers
- (1) Exterior Plate (Available finishes BS, PS, MBL)

Note: The BR190 connector is fixed and does not have height adjustability. Install the BR190 glass side connector first, this allows for final adjustments before drilling the wall mount bracket holes.

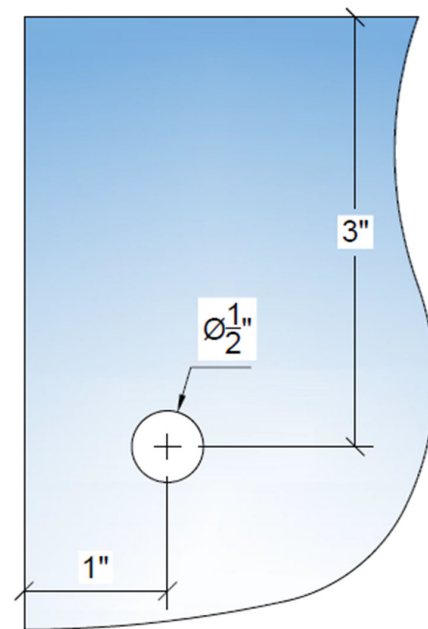
1. Remove the existing mounting blocks and screw, supplied with the Fitting Base.
2. With your 90° glass return wall installed and secure, assemble the BR190 connector through the glass, adding a washer on each side, then add the new mounting block and fasten securely with the screw supplied with the connector.
3. Slide the Fitting Base over the new BR190 mounting block and fasten the set screw on top.
4. Check all fittings to be securely fastened.

**Assembled view**

BR190 - 90 DEGREE CONNECTOR



**BR190 glass fabrication
isometric view**



**BR190 glass fabrication
front view**